

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 January 2006 (26.01.2006)

PCT

(10) International Publication Number
WO 2006/009305 A1

(51) International Patent Classification⁷: G11B 27/10, 27/32, 27/34

(21) International Application Number:
PCT/JP2005/013785

(22) International Filing Date: 21 July 2005 (21.07.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004-214916 22 July 2004 (22.07.2004) JP
2004-268512 15 September 2004 (15.09.2004) JP
2004-293043 5 October 2004 (05.10.2004) JP
2004-369701 21 December 2004 (21.12.2004) JP
2005-099410 30 March 2005 (30.03.2005) JP

(71) Applicant (for all designated States except US): MAT-SUSHITA ELECTRIC INDUSTRIAL CO., LTD.
[JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): TANAKA, Kelichi. OHTO, Hidetaka. OASHI, Masahiro.

(74) Agents: NAKAJIMA, Shiro et al; 6F, Yodogawa 5-Bankan, 2-1, Toyosaki 3-chome, Kita-ku, Osaka-shi, Osaka 531-0072 (JP).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

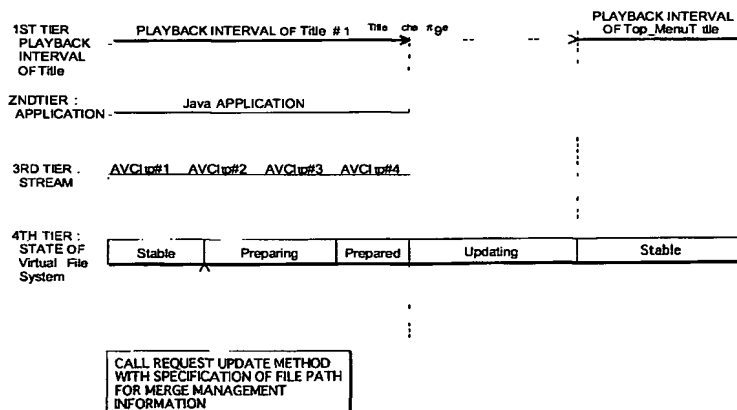
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **PLAYBACK APPARATUS FOR PERFORMING APPLICATION-SYNCHRONIZED PLAYBACK**



(57) **Abstract:** A playback apparatus for playing a digital stream in conjunction with an application includes a package management unit operable to generate package information by merging files recorded on a first recording medium and a second recording medium, in accordance with merge management information, and a selection unit operable to detect a plurality of playable titles from the package information, and select one of the detected titles as a current title. After the application requests the package management unit to update the merge management information, by specifying new merge management information, the package management unit changes a file referenced from the newly specified merge management information to read-only before updating the package information, and at a point at which digital stream playback stops due to a current title change by the selection unit, the package management unit generates new package information by combining files recorded on the first and second recording media, in accordance with the newly specified merge management information.